
EPA's Proposed Rules for Boilers and Incinerators



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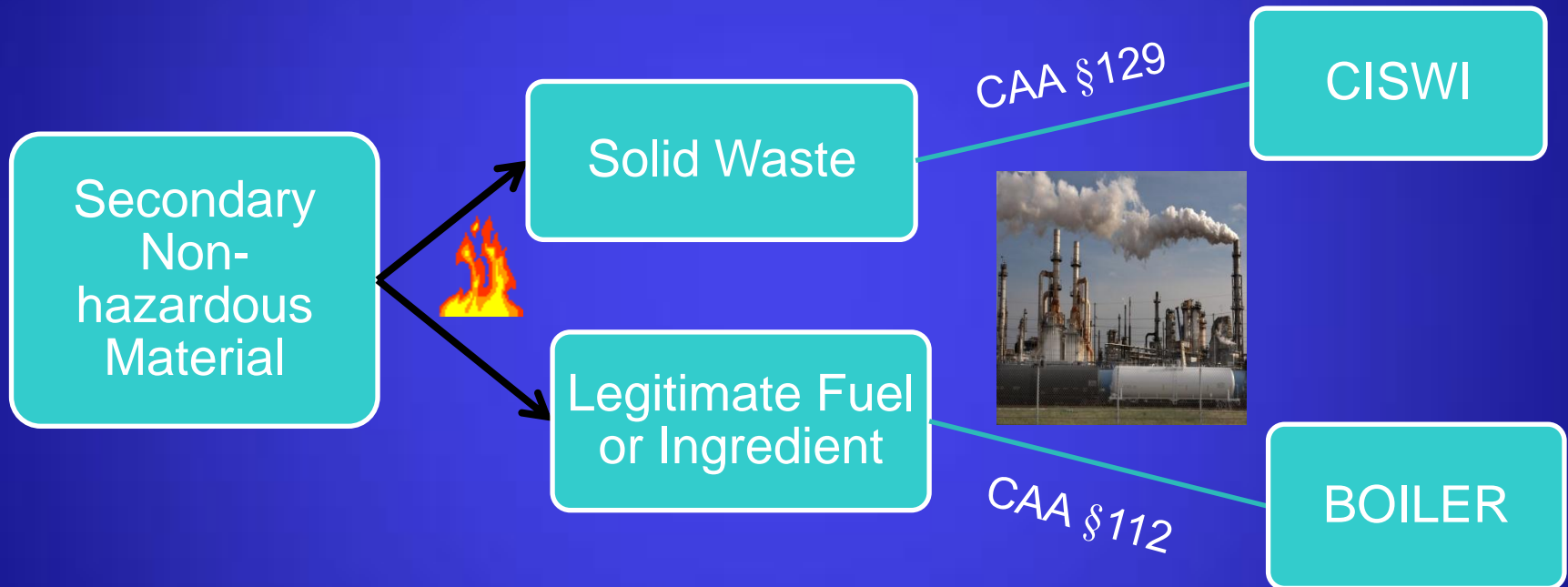
Four Related Rules Proposed on April 29th

- NESHAP for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters. Affecting an estimated 14,000 units.
- NESHAP for Area Sources: Industrial, Commercial, and Institutional Boilers. Affecting an estimated 183,000 units at 92,000 facilities.
- Standards of Performance for New Sources and Emission Guidelines for Existing Sources: Commercial and Industrial Solid Waste Incineration Units. Affecting about 170 units.
- Identification of Non-Hazardous Secondary Materials that are Solid Waste

Identification of Non-Hazardous Secondary Materials that are Solid Waste.

- This is a Resource Conservation and Recovery Act (RCRA) Rule that defines “solid waste” for CAA Section 129 Sources (Solid Waste Combustors; e.g. CISWI NESHAP)
- Key Factors
 - Was the material discarded?
 - Has it been reprocessed into a non-waste fuel or ingredient?
 - Legitimacy: managed as valuable material; has meaningful (contribution/product) heat value; comparable contaminants.
- Secondary Materials are NOT Solid Waste if:
 - Used as legitimate fuel within control of the generator
 - Used as legitimate ingredient in a manufacturing process
 - Processed to produce a legitimate fuel or ingredient
 - Case by Case Petitioning that material is indistinguishable from fuel

Identification of Non-Hazardous Secondary Materials that are Solid Waste.



NSPS and Emission Guidelines for Commercial and Industrial Solid Waste Incineration Units.

- This is a proposal to amend existing 40CFR60 Subpart CCCC and Subpart DDDD
- Covers Five Categories of Sources
 - Incinerators
 - Waste Burning Kilns
 - Energy Recovery Units
 - Small, Remote Incinerators
 - Burn-Off Ovens
- Establishes Emission Limits for Nine Pollutants
 - Mercury
 - Lead
 - Cadmium
 - Hydrogen Chloride
 - Dioxins/Furans
 - SO₂
 - PM
 - CO
 - NO_x
- EPA expects most sources to find alternative waste disposal options.

Major Source NESHAP: Industrial, Commercial, and Institutional Boilers and Process Heaters.

- Applies to New and Existing Boilers and Process Heaters at Facilities that are Major for HAPs.
- New and Existing Gas Fired Units and Existing Units < 10 MMBTU/hr
 - Work Practice Standards
- All Others -- Emission Limits for:
 - Mercury -- Dioxin
 - Hydrogen Chloride (as surrogate for acid gases)
 - Carbon Monoxide (surrogate for non-dioxin organic toxics)
 - Particulate Matter (as surrogate for non-mercury metals)

Area Source NESHAP: Industrial, Commercial, and Institutional Boilers.

- Applies to New and Existing Boilers at Facilities that are Area Sources of HAPs.
- Regulated based on fuel and size. Boilers come in two sizes: large (≥ 10 MMBTU/hr); small (< 10 MMBTU/hr).
- Regulated Fuels: coal, oil, biomass and non-waste materials. Does not regulate natural gas fired units.

Area Source NESHAP: Industrial, Commercial, and Institutional Boilers.

- Existing Small Boilers
 - Work Practice Standards
- Existing Large Boilers
 - CO
 - And Mercury, if coal fired
- New Boilers
 - PM and CO
 - and Mercury, if coal fired
- All Existing Area Sources with Large Boilers would conduct an energy audit.

Next

- EPA is under Court Order to have Major ICI Boiler Rule final by December 16, 2010.
- Public Hearing will be held 15 days after publication in the Federal Register.
- Comments will be accepted on each of these rules until 45 after publication in the Federal Register.
- <http://www.epa.gov/airquality/combustion/>